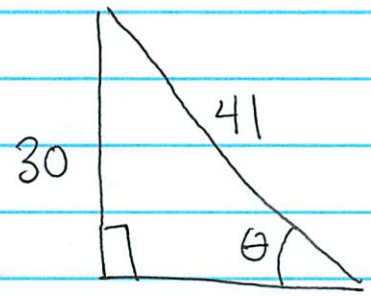
Maria Mata
Tiera Banks

Trigonometry

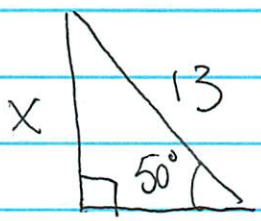
Soh — Sin, Opposite, Hypotenuse



$\sin\theta = \frac{30}{40}$

$\theta = \sin^{-1}\frac{30}{41}$

$= 47$



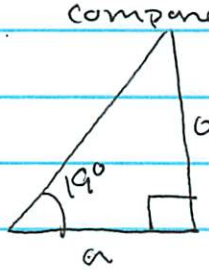
$\sin 50° = \frac{x}{13} \cdot 13$

$13 \sin 50° = x$

$9.9 = x$

Cah — Cosine, adjacent, Hypotenuse

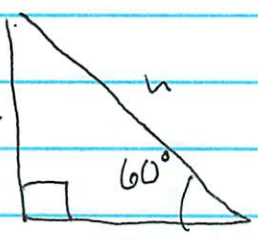
What are the vertical and horizontal components of force in this illustration?



$\cos 19° = \frac{9}{17} = 1.6N$

$\sin 19° = 5.5$

Toa — angent, Opposite, adjacent



$\tan 60° = \frac{x}{22} \cdot 22$

$x = 30$